

Date: Sat, 30 Jan 93 16:29:31 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #141
To: Info-Hams

Info-Hams Digest Sat, 30 Jan 93 Volume 93 : Issue 141

Today's Topics:

 Anyone with new FT-530 mods?
 Burglars are brighter than you might think!
 FCC rules
 Heavy fist on 20 meters.
 Here's TH-78 solution
 Mobile 2m/70cm Antenna Mounts ???
 My call sign : (
 Need Forms for Novice Roundup
 No-codes
 QRP amplifier ? (2 msgs)
 Reccomendation Wanted: 10 Meter monoband mobile radio
 Reciprocal license for Belize??
 Two meter antenna performance

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 30 Jan 1993 19:31:22 GMT
From: swrinde!gatech!paladin.american.edu!howland.reston.ans.net!usc!
cs.utexas.edu!hermes.chpc.utexas.edu!news.utdallas.edu!feenix.metronet.com!
marcbg@network.UCSD.EDU
Subject: Anyone with new FT-530 mods?
To: info-hams@ucsd.edu

Well, we've got the general mods for the FT-530 which allows the expanded
receive (and some transmit) from 110-180, 300-500, and 800-950 MHz. Has
anyone played around with the other straps on the radio to see what they do?

Signed,
Curious but not adventurous

Marc Grant
Phone# 214/530-9488

Amateur Call: N5MEI
Internet: marcbg@feenix.metronet.com

Date: 28 Jan 93 00:33:07 EST
From: psinntp!arrl.org@uunet.uu.net
Subject: Burglars are brighter than you might think!
To: info-hams@ucsd.edu

If you really want to discourage burglars with a safe, make your own out of plywood! Just make sure its large enough so that it can't possibly be removed without being taken apart. Sure, someone could cut it apart, but doing so would probably result in the neighbors calling the police--to stop the noise! Best of all, there is no tip-off to people that you have something valuable to protect. A distinct disadvantage if you actually buy a safe or security system.

Zack Lau KH6CP/1

Internet: zlau@arrl.org "Working" on 24 GHz SSB/CW gear
Operating Interests: 10 GHz CW/SSB/FM
US Mail: c/o ARRL Lab 80/40/20 CW
225 Main Street Station capability: QRP, 1.8 MHz to 10 GHz
Newington CT 06111 modes: CW/SSB/FM/packet
amtor/baudot
Phone (if you really have to): 203-666-1541

Date: 30 Jan 93 21:48:04 GMT
From: ogicse!uwm.edu!ux1.cso.uiuc.edu!bradley.bradley.edu!camelot!
jd@network.UCSD.EDU
Subject: FCC rules
To: info-hams@ucsd.edu

In <1993Jan30.024337.10239@lynx.dac.northeastern.edu>
pclark@lynx.dac.northeastern.edu (Peter Clark) writes:

>Would someone kindly post the chapter/section of the FCC rules that
>prohibit the use of a HAM station onboard an aircraft? I'm having an
>argument with someone in Email about it and don't have my rulebook
>handy.

>Thanks in advance.

Okay...here we go straight from the FCC rules....

Section 97.11 Stations aboard ships or aircraft.

(a) The installation and operation of an amateur station on a ship or aircraft must be approved by the master of the ship or pilot in command of the aircraft.

(b) The station must be separate from and independent of all other radio apparatus installed on the ship or aircraft, except a common antenna may be shared with a voluntary ship radio installation. The station's transmissions must not cause interference to any other apparatus installed on the ship or aircraft.

(c) The station must not constitute a hazard to the safety of life or property. For a station aboard an aircraft, the apparatus shall not be operated while the aircraft is operating under Instrument Flight Rules, as defined by the FAA, unless the station has been found to comply with all applicable FAA rules.

```
*=====*
Jeremy D. Ruck      |Internet:jd@camelot.bradley.edu |Note: This space
Electrical Engineering|      :jd@cegt201.bradley.edu |intentionally left
Bradley University  |  Packet:wm9c@wb9uus.bradley.edu|blank.
Peoria, IL USA      |      ICBM:40 45.0 N 89 37.5 W    |
*=====*
```

Date: Sat, 30 Jan 1993 00:51:43 GMT
From: ucsnews.sdsu.edu!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!
hpscit.sc.hp.com!hplextra!hpfcs@wayne@network.UCSD.EDU
Subject: Heavy fist on 20 meters.
To: info-hams@ucsd.edu

Sam: Hey Joe, was that you on 20 meters last night? Your CW had a definite banana-boat swing.

Joe: Yeah, well, the whole thing was my wife's idea.

Sam: Whaddya mean?

Joe: She wanted to see whether a lumbering beast that usually only communicates with grunts and crude gestures, could do something a bit more challenging.

Sam: What an insult! Is she always like that?

Joe: No, not always. But anyway I was only the control op. You heard a gorilla.

Sam: You let a gorilla monkey around with your rig? How come?

Joe: She strong-armed me into it. You've probably heard that gorillas can be trained to use sign language. Since CW is so easy, easier than sign language, it seemed like an interesting experiment. And 20 meters is such a zoo anyway. It all worked out OK.

Sam: I suppose so, although it was nothing to beat your chest about. Say, if I borrowed your gorilla, do you think he could deal with my neighbor? He's been complaining about my "unsightly" tower.

Is there anyone here that thinks a gorilla or a chimp could learn CW? How about it, you animal experts?

Wayne
KD0EA

Date: Thu, 28 Jan 1993 16:50:08 GMT
From: ucsnews.sdsu.edu!sol.ctr.columbia.edu!zaphod.mps.ohio-state.edu!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcso!goris@network.UCSD.EDU
Subject: Here's TH-78 solution
To: info-hams@ucsd.edu

A friend of mine just discovered a (sort of) problem programming external microphone buttons with his TH-78. After sending the radio to Kenwood, they couldn't duplicate the problem. After working with him, we figured it out, so I thought I would post the work-around in case anyone else runs into this problem, or a similar one.

THE PROBLEM: You turn on the radio with one of the microphone buttons pressed so you can program it. Instead of coming up with the prompt to program the button, the radio turns on and

acts like you pushed the button (with the old definition)
AFTER power was turned on.

THE SOLUTION: Hold down the 1,2,or3 button on the microphone, then
Hold down the power button FOR ABOUT A SECOND when you
turn on power (as opposed to pressing it quickly).
This solves the problem.

I'd be curious to know if this problem manifests itself with other
[key] [power-on] sequences.

I don't own a TH-78 (I sure wish I did! I do have a TH-77), so I don't
read the postings on it all that often. I hope this isn't a repeat of
stuff that's already been posted.

Andy Goris goris@fc.hp.com
AA0CM

Date: Sat, 30 Jan 1993 04:32:23 GMT
From: ucsnews.sdsu.edu!newshub.sdsu.edu!usc!howland.reston.ans.net!bogus.sura.net!
udel!gatech!usenet.ins.cwru.edu!news.ysu.edu!neoucom.edu!wtm@network.UCSD.EDU
Subject: Mobile 2m/70cm Antenna Mounts ???
To: info-hams@ucsd.edu

In article <syRZXB1w164w@pilloock.moron.vware.mn.org>
stevej@pilloock.moron.vware.mn.org (Steven Jarosh, KA0VYB) writes:
>
>Now, if Diamond and Comet would only get a clue and offer all their mobile
>antennas in NMO mounts, especially the higher gain antennas

Motion seconded! Though, if you like a 2m/70cm dual band whip, the
SG7200NMO is hard to beat. True, it is expensive, but then, so is
that dual band rig feeding the antenna. It is well worth spending
a little money on the antenna. A \$70 antenna will offer almost as
much gain as a \$175 linear amplifier, doesn't use additional power,
doesn't add alternator whine, and does work bilaterally as a gain
element.

Now, if Diamond / Comet would make a good MNO trunk mount. I can't
mount on the roof of one of my cars.

--
Bill Mayhew NEOUCOM Computer Services Department
Rootstown, OH 44272-9995 USA phone: 216-325-2511

wtm@uhura.neoucom.edu (140.220.1.1) 146.580: N8WED

Date: Fri, 29 Jan 1993 23:36:54 GMT
From: beta.lanl.gov!tjf@lanl.gov
Subject: My call sign : (
To: info-hams@ucsd.edu

Finally! I took the tests November 20 and my Technician(plus) arrived today....just about nine weeks.

By the way, the operator privileges listing is just "technician"...no indication that I did in fact pass the 5 WPM test. Do I have to keep my certificate of completion with the license is there no distinction on the license itself? I passed the written and code tests the same session.

-Tom, KB5YEM

;^)

.

Date: Fri, 29 Jan 1993 23:46:00 GMT
From: beta.lanl.gov!tjf@lanl.gov
Subject: Need Forms for Novice Roundup
To: info-hams@ucsd.edu

My license arrived _just_ in time for the Novice Roundup. Where can I get official logs, dupe sheets, etc?

Date: Sat, 30 Jan 1993 05:02:09 GMT
From: pa.dec.com!engage.pko.dec.com!nntpd.lkg.dec.com!nntpd2.cxo.dec.com!nuts2u.enet.dec.com!little@decwrl.dec.com
Subject: No-codes
To: info-hams@ucsd.edu

vbreaault@rinhp750.gmr.com (Val Breault) writes:

> bunch of stuff about value and what someone takes out of a burning house...
>

People take pictures and other mementos out of a burning house *not* because they were so hard to obtain, but because they can't be replaced. How *hard* is it to take a photograph? Your example doesn't hold water.

Your argument is that a test should be made difficult so the test taker values the effort required to pass the test. I can't agree for two reasons.

One is that it is a gross generalization and it's debatable that it's even true for a majority of the population. I took a lot of time and effort to get my BSCS, certainly more than the time to get to 20 WPM, and yet I value the BS about as much as I value BS. I learned 10 times as much as the full time solitary software engineer in small start up company during my undergraduate years than I did in any course I ever took. And the work at the start up was certainly much more enjoyable and profitable than the school work. The only thing that degree taught me was how out of touch one of the "top" CS departments in the country was with the state of the practice.

The other reason I can't agree with your argument is that I don't believe it is the government's job to make me value my amateur privileges or my accomplishment in achieving some license class. If I value them, I'll do what's necessary to maintain them, but putting up arbitrary road blocks is certainly something I wouldn't advocate the government doing. It's already attempting to do too much and exerting way too much effort for what little it does accomplish. Please don't try and make the government my amateur motivation. I have enough motivation trying to collect WAS, DXCC, VUCC, and other awards, homebrewing equipment, working the satellites, getting my folks licensed, elmering a few advanced and extra class amateurs on packet, computers, and satellite, etc. I don't need the government's assistance in motivation and in "valuing" my efforts and privileges.

Besides, even if you feel the government should be my motivator, why motivate me to learn Morse code? Certainly there must be other things I can do that would be of greater value to me and the amateur community than learn Morse code. Think of how much we could push the state of the art if we required potential amateurs to push the state of the art. Or perhaps you feel 20 WPM is state of the art?

Besides, if learning Morse code really requires the sacrifice you imply based upon the value it instills, can't we use that effort for better things? The potential is staggering. If it takes the average amateur 50 hours of effort to go from 5 WPM to 13 WPM and 100 hours to from 5 WPM to 20 WPM (I made these up, pick your own favorite numbers) and we have 230,000 advanced and general class amateurs and 60,000 extra class

amateurs, that's 8,500 person-years expended on learning Morse code. Is learning Morse code really worth 8,500 years of effort? Think of the things that could be done with that kind of effort? Fund raising for AMSAT, fund raising for a PAC to help protect our bands, teaching electronics to under privileged children, or who knows what else. 8,500 years is a *LOT* of effort and I didn't even include the time for probably some 450,000 amateurs to learn their initial 5 WPM.

73,
Todd
N9MWB

Date: 30 Jan 93 10:38:38 GMT
From: psinntp!arrl.org@uunet.uu.net
Subject: QRP amplifier ?
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, gary@ke4zv.uucp (Gary Coffman) writes:

>
>A single ended 6L6 amp would be even simpler, and run more power. Plus
>it would glow in the dark. :-)

I disagree. Unless you just happen to have the requisite high voltage power supply, a 5 watt class C transistor amp is a lot simpler for most people. True, you increase your chances of getting cancer by not electrocuting yourself across the high voltage supply, but not everyone is that paranoid about cancer.

Zack Lau KH6CP/1

Internet: zlau@arrl.org "Working" on 24 GHz SSB/CW gear
Operating Interests: 10 GHz CW/SSB/FM
US Mail: c/o ARRL Lab 80/40/20 CW
225 Main Street Station capability: QRP, 1.8 MHz to 10 GHz
Newington CT 06111 modes: CW/SSB/FM/packet
amtor/baudot
Phone (if you really have to): 203-666-1541

Date: Sat, 30 Jan 1993 16:13:58 GMT
From: swrinde!gatech!wa4mei!ke4zv!gary@network.UCSD.EDU
Subject: QRP amplifier ?
To: info-hams@ucsd.edu

In article <1079@auratek.UUCP> epacyna@auratek.UUCP (Edward Pacyna) writes:

>
>2. The simplest amplifier for CW will be a class C circuit. This will only
> require a half dozen or so parts. The transistor will need to handle about
> 10W of dissipation and have at least a 10db gain (suggest a MRF475 or
> equal at about \$5). You will need a wideband transformer to step down the
> impedance of your 1 watt driver from 50ohms down to the input Z of the
> transistor (5 - 10 ohms) , a wideband transformer to step up the collector Z
> base loading resistor, a wideband transformer to step up the Z at the coll-
> ector from about 10 -15 ohms to 50 ohms, a choke (inductor) and a couple
> of bypass and DC blocking capacitors in the power supply to collector
> circuit (thats 6 or 7 parts).

A single ended 6L6 amp would be even simpler, and run more power. Plus
it would glow in the dark. :-)

Gary

```
--
Gary Coffman KE4ZV          |   You make it,       | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems |   we break it.       | uunet!rsiatl!ke4zv!gary
534 Shannon Way           |   Guaranteed!       | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244   |                       |
```

```
-----
Date: 30 Jan 93 22:14:35 GMT
From: ogicse!sequent!muncher.sequent.com!edw@network.UCSD.EDU
Subject: Reccomendation Wanted: 10 Meter monoband mobile radio
To: info-hams@ucsd.edu
```

Please E-mail to me, and I will summarize to save some net bandwidth.

I am about to buy a 10 Meter Monoband Mobile

I would like to have these features (or so I think):

Rcvr offset
Fm & SSB
low & high power (5w & 25w)
RF gain

Might Also be nice:

AM
Speech Compression
Squelch
Noise Blanker
ANL

The radio is going to live off of a cigarette lighter plug and a

Mag Mount Ant (Suggestions?), I will take it with me when I travel (which is a lot).

If You can think of features that I do or don't need, or perhaps a multiband rig that overall would be a better option, please suggest that to me.

Please E-mail to me, and I will summarize to save some net bandwidth.

73

Ed

I sure hope I don't void Avis' warrantee or explode any renta-cars by using an unauthorized radio :-)

--

-- I think I've got the hang of it now :w :q :wq :wq! ^d X exit ^X^C ~.
^[x X Q :quitbye CtrlAltDel ~~q :~q logout save/quit :!QUIT ^[zz ^[ZZ
ZZZZ ^H ^@ ^L ^[c \$q ^# ^E ^X ^I ^T ? help helpquit ^D ^d ^C ^c help
^]q exit ?Quit ?q anybackbone!sequent!edw edw@sequent.COM KA9AHQ 28.340

Date: Sat, 30 Jan 1993 18:02:30 GMT

From: swrinde!gatech!paladin.american.edu!howland.reston.ans.net!zaphod.mps.ohio-state.edu!magnus.acs.ohio-state.edu!csn!boulder!montana.colorado.edu!fesmith@network.UCSD.EDU

Subject: Reciprocal license for Belize??

To: info-hams@ucsd.edu

Hello All!!

I need some help from any netter who knows whether the US has a reciprocal agreement with the country of Belize. A friend of mine is planning on going there at the end of February for two weeks and he 'talked' me into going along. Also, I would like to know if they have two meter repeaters there and if so a list would be nice. Of course if they either have no repeaters or no reciprocal agreement with the US then I won't bother taking my radio.

I have not traveled abroad since getting out of the Navy and that was before I had my license so I am not clear what all I need to do. Any help will be greatly appreciated.

Thanks and 73.

Frank

----->> C U Amateur Radio Club <<-----
Frank E. Smith, WB7OTE | fesmith@schof.colorado.edu
50 S. 32nd St. | University of Colorado, Boulder

Boulder, CO 80303 | 'It riles them to believe you

(303) 494-6759 | perceive the web they weave'

(303) 492-1290 | Moody Blues

----->> W0YQ HAMBuffs <<-----

Date: Sat, 30 Jan 1993 05:02:22 GMT

From: pa.dec.com!engage.pko.dec.com!nntpd.lkg.dec.com!nntpd2.cxo.dec.com!
nuts2u.enet.dec.com!little@decwrl.dec.com

Subject: Two meter antenna performance

To: info-hams@ucsd.edu

larson@loren.net.com (Alan Larson) writes:

> Many of the proceedings of the various VHF/UHF conferences
> have the results of antenna gain measurements. After a few
> years, many of the common antennas have been tested enough
> times to have good ideas of the values. I would suggest
> the published results from some of these conferences. No,
> I don't have specific recommendations on how to get them.

Call the ARRL. For example, the Central States VHF Conference Proceedings
are \$12.00 a copy.

> something about an isotropic dipole from a previous post...

You know, one of those really shortened dipoles. Gain over one is given in
dBid. ;-)

73,
Todd
N9MWB

Date: Fri, 29 Jan 1993 21:00:44 GMT

From: news.cerf.net!netsys!agate!spool.mu.edu!uwm.edu!caen!umeecs!umn.edu!
kksys.com!edgar!brainiac!moron!lmt!cgc.lmt.com!chrisc@network.UCSD.EDU

To: info-hams@ucsd.edu

References <kd1hz.1@anomaly.sbs.com>, <chrisc.165.728064845@ramrod.lmt.mn.org>,
<1993Jan29.044343.19830@wam.umd.edu>ainiac
Subject : Re: Real NoCodes

In article <1993Jan29.044343.19830@wam.umd.edu> adam@wam.umd.edu (Adam L.
Greenberg) writes:

>From: adam@wam.umd.edu (Adam L. Greenberg)
>Subject: Re: Real NoCodes
>Date: Fri, 29 Jan 1993 04:43:43 GMT

>Hmm, Chris, the no-code licenses have only been around for less than two
>years (Feb. 14, 1991 if I remember correctly...). Must have been all of
>those guys with the code making all the noise for the other four years.

Oh no, say it isn't so, please. :-)

>--de N3NKI

Actually, before ne1 starts going for the throat (either way!), I would like
to make a little known about myself.

I held a UK class B license for 18 months (== no code) back in 1978. I
received the class A on New Years Eve 1979/80. I do not consider myself any
better than other (no code) amateurs for having passed a 12 wpm morse test -
I did it because I wanted to, not because I had to!

I very rarely operate on HF, even though the class A give's me that
capability. However, I do use CW on the real bands (e.g. 50 MHz and up).
Again, by choice.

Enough of the anti [no code/code] dispute. It is ALL amateur radio; it is
all legal (fwiw); and it's all FUN.

Remember that...

Chris

Chris Cox W0/G4JEC
Network Administrator
LaserMaster Technologies
7156 Shady Oak Road
Eden Prairie, MN 55344

chrisc@lmt.mn.org
NIC handle: CC345
Tel: (612) 944-6069
Fax: (612) 944-5544

----- For mail of a more social nature, please use -----
Internet: chrisc@moron.vware.mn.org
Amprnet: chrisc@biggus.g4jec.tcman.ampr.org

Date: Fri, 29 Jan 1993 23:42:51 GMT
From: beta.lanl.gov!tjtf@lanl.gov
To: info-hams@ucsd.edu

References <1993Jan25.223358.21422@netcom.com>,
<1993Jan27.032957.2738@uhura.neoucom.edu>, <UfNz9jK00WCq084EoH@andrew.cmu.edu>
Subject : Re: LICENSE DELAYS

It finally arrived! I took the tests November 20
and my Technician(plus) arrived today. That's just
about 9 weeks, I think.

BTW, under "Operating Priviledges", the listing is just
"Technician", with no indication that I have Novice
priviledges by passing the 5WPM code test. I did in
fact pass the code and written tests in the same session.

I'm just glad its here!

Tom, KB5YEM

;^)

.

Date: Sat, 30 Jan 1993 00:36:58 EST
From: uunet.ca!xenitec!lemsys!clemon@uunet.uu.net
To: info-hams@ucsd.edu

References <kd1hz.1@anomaly.sbs.com>, <ZZjls*Ru0@lemsys.UUCP>,
<C1E2nu.GA3@anomaly.sbs.com>ool.mu.e
Subject : Re: Real NoCodes_

In article <1993Jan26.104432.1@kean.ucs.mun.ca>, jcraig@kean.ucs.mun.ca writes:

> In article <N1-ls*8y0@lemsys.UUCP>, clemon@lemsys.UUCP (Craig Lemon VE3XCL)
writes:

> > behind it because I decided that I wasn't going to lower myself to your
> > boot-licking toady level and pick on other hams, regardless of their
> >
> Maybe you've "picked on" many "other hams" by your following remarks.

> I can understand your being offended by anti-no-code sentiments, but
> making unfounded remarks about CW can only serve to discredit you.
> Most people who bother to learn it (ie 25-30 wpm) think it's great fun...
> really!

 Hmm. Perhaps I chose my words poorly. I am NOT trying to

DISCREDIT it, only point out that it isn't considered necessary, even by the Navy and Coast Guard etc... I fully intend to get code, but haven't got enough contiguous time to learn it properly until this summer. Once again, picking on was not intended.

>

> Joe V01NA.

--

Craig Lemon VE3XCL (Advanced) - Kitchener, Ontario. +1 519 741 0297
clemon@lemsys.UUCP clemon%lemsys@xenitec.on.ca | 1B Electrical Engineering
TCP/IP: ve3xcl@ve3xcl.ampr.org [44.135.84.51] | University of Waterloo
AX.25 Packet: ve3xcl@ve3euk.#SWON.ON.CAN.NA | Waterloo, Ontario, CANADA

End of Info-Hams Digest V93 #141
